

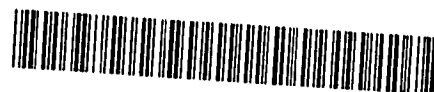
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## EUROPEAN PATENT APPLICATION

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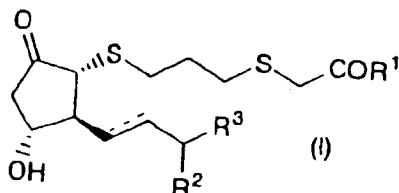
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(54) A 3,7-dithiaprostanoid acid derivative

(57) A 3,7-dithiaprostanoid acid derivative of the formula (I)



(wherein R<sup>1</sup> is OH, C1-4 alkoxy, NR<sup>6</sup>R<sup>7</sup> (wherein R<sup>6</sup>, R<sup>7</sup> are H, C1-4); R<sup>2</sup> is H, OH; R<sup>3</sup> is (i) alkyl, alkenyl, alkynyl (ii) phenyl, cycloalkyl (iii) alkyl, alkenyl, alkynyl substituted by phenyl, cycloalkyl (when R<sup>2</sup> is H, alkyl, alkenyl, alkynyl in (i) or (iii) may be substituted by OH) possesses a binding activity for PGE<sub>2</sub> receptor (especially for EP4). Therefore they are useful for the treatment and/or prevention of immunologic diseases (autoimmune diseases, organ transplantation etc.), asthma, abnormal bone formation, neuronal cell death, liver damage, nephritis, hypertension, myocardial ischemia etc.

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EP 0 855 389 A3



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 30 0513

DOCUMENTS CONSIDERED TO BE RELEVANT			Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages			
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D, A	JP 58 148857 A (TEIJIN KK) 5 September 1983 * the whole document *			
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)  C07C	
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>21 April 1999</b>	Examiner <b>Berte, M</b>	
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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ON EUROPEAN PATENT APPLICATION NO.

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